

ZASTER, L.I.

The RAF-977D small motorbus "Latvia." Biul.tekh.-ekon.inform.
Gos.nauch.-issl.inst.nauch.i tekh.inform. no.5:'73-74 '62.
(MIRA 15:7)

(Motorbuses)

ZASTERA, A.

"Nuclear radiation in chemical analysis" by J. Tolgyassy. Chem
zvesti 17 no.4:280-282 '63.

ZASTERA, A.

"Establishment of intrafactory business accounting in chemical plants." Chemicky Prumysl, Praha, Vol. 4, No. 6, June 1954, p. 233.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

ZASTERA, C.

"Millisecond Blasting in Hranice Quarries; Answering K. Jurajda's
Critical Remarks", P. 258, (STAVIVO, Vol. 32, No. 7, July 1954,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

ZASTERA, C.

"Transportation in Quarries", P. 252, (STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions, (KEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

ZASTERA, C.

"Blast-hole drilling machines." (p. 125). STAVIVO (Ministerstvo stavebnich
hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954

ZASTERA, Eduard, inz.; ARGAY, Ivan, inz.; VANEK, Jiri, inz.

Assembled foundation of the TG 110 Mw turbo-set. Inz stavby
13 no.1:6-9 Ja '65.

1. Fababeton National Enterprise, Prague (for Zastera and
Argay). 2. Energoprojekt, Prague (for Vaneck).

ZASTERA, Eduard, inz.

Construction of the intermediate machinery hall for the
main block of the Tusimice Electric Plant, Inz stavby
12 no. 2: 66-74 F '64.

HAVLIK, O. [deceased]; POKORNY, J.; ZASTERA, M.

Method of experimental research in a focus of leptospira. J.hyg.
epidem., Praha 4 no.4:494-503 '60.

1. Institute of Epidemiology and Microbiology, Prague.
(LEPTOSPIRA)

ZASTERA, Milan; HAVLIK, Otto

Experimental infection of *Buteo buteo* L. with *Leptospira grippotyphosa*.
Cesk. epidem. mikrob. immun. 7 no.3:182-187 May 58.

1. Ustav epidemiologie a mikrobiologie v Praze.
(LEPTOSPIROSIS, experimental,
grippotyphosa in buzzards (Cz))

ZASTERA, M.
HAVLIK, Otto; FRUHRAUER, Zdenek; ZASTERA, Milan

New reservoirs of *Leptospira grippotyphosa*. Cesk. epidem. mikrob.
immun. 6 no.6:361-365 Nov 57.

1. Ustav epidemiologie a mikrobiologie v Praze, reditel prof. Karel
Raska.

(WEIL'S DISEASE, epidemiology,
in Czech., in animals (Cz))

Country : CZECHOSLOVAKIA
 Category : Microbiology-Microbes Pathogenic for Man and Animal
 Abs. Jour : Ref Zhur - Biol., No.19, 1958, 85245
 Author : Halik, O., Fruhbauer, Z., Zastera, M.
 Institut. : -
 Title : New Reservoirs of *L. grippotyphosa*
 Orig. Pub. : Ceskosl. Epidemiol., Mikrobiol., Imunol., 1957,
 Vol.6, No.6, 361-364
 Abstract : In northwestern Czechoslovakia leptospira were isolated from the kidneys not only of the field mouse *Microtus arvalis* but also from the kidneys of *M. agrestis*, *Clethrionomys glareolus*, *Apodemus flavicollis*, *Apodemus sylvaticus* and *Mus musculus*. All isolated strains were determined as *Leptospira grippotyphosa*. Discovery of the latter in *Mus musculus* compels the author to the idea that infection with these leptospira may occur not only in field mice but also under domestic conditions. The same pertains to the above-mentioned species of mouse-like rodents, which migrate in the winter to human habitation sites. - Z.A.Yakubovich
 Card: 1/1

RASKA, K.; SYRUCEK, L.; SORESLAVSKY, O.; POKORNY, J.; PRIVORA, M.; HAVLIK, O.;
LIM, D.; ZASTERA, M.

Rodents of epizootology of Q rickettsiosis. Cesk. epidem. mikrob.
immun. 5 no.5:246-250 Sept 56.

1. Ustav epidemiologie a mikrobiologie, Praha, red. prof. Dr.
K. Raska.

(Q FEVER, epidemiol.

in Czech., role of rodents in epizootology (Cz))

(RODENTS

role in epizootology of Q fever in Czech. (Cz))

POKORNY, Jan; HUBNER, Jiri; ZASTERA, Milan

Isolation of strains of *Toxoplasma gondii* in some domestic and wild animals. Cesk. epidem. mikrob. imun. 10 no.5:323-329 8 '61.

1. Ustav epidemiologie a mikrobiologie v Praze.
(TOXOPLASMOSIS veterinary) (ZOOZOSES)

ZASTERA, M.; HUENNER, J.; POKORNY, J., VALENTA, Z.

Isolation of *Toxoplasma gondii* from domestic fowl. (*Gallus gallus dom.*). *Cesk. epidem.* 14 no.3:168-169 My '65

1. Ustav epidemiologie a mikrobiologie, Praha, a Statni
vyzkumny veterinarni ustav, Praha.

POKORNY, J.; ZASTERA, M.; PRIVORA, M.; HUBNER, J.; JELEN, P.

Experiments on recovery of a breed of laboratory rats infected with
Leptospira icterohemorrhagica. Cesk. epidem. 11 no.2:109-114 Mr '62.

1. Ustav epidemiologie a mikrobiologie v Praze, Vyzkumny ustav prirod-
nich leci v Praze.

(LEPTOSPIROSIS experimental)
(OXYTETRACYCLINE pharmacol)
(CHLORTETRACYCLINE pharmacol)

SEEMAN, Jiri; ZASTERA, Milan; POKORNY, Jan; HUBNER, Jiri

Epidemiological examination of the glandular form of toxoplasmosis.
Cas. lek. cesk. 101 no.49:1441-1445 7 D '62.

1. Ustav epidemiologie a mikrobiologie v Praze, reditel prof. dr.
K. Raska.

(TOXOPLASMOSIS)

(LYMPHADENITIS)

PROCHAZKA, Jaroslav; ZASTEPA, Milan

Effect of the treatment of intersegmental wound surfaces on the development of postoperative complications. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.4:391-397 '61.

1. Chirurgická klinika; prednosta prof. MUDr. J. Prochazka Plicni lecebna v Zamberku; prednosta rod. MUDr. Fr. Mydlil.
(PNEUMONECTOMY compl)

~~SAUTERA~~, Milan; HUBNER, Jiri; POKORNY, Jan

Plan for standardization of the Sabin-Feldman reaction to toxoplasmosis.
Cesk. epidem. 11 no.2:122-126 Mr '62.

1. Ustav epidemiologie a mikrobiologie v Praze.

(TOXOPLASMOSIS immunology)

ZASTERA, Rudolf, inz.

Design and erection of bridge constructions over an operating
railroad line. Inz stavby 12 no. 4:176-179 Ap '64.

1. State Institute of Transportation Projects, Prague.

ZASTEROVA, Bohumila

The 12th International Congress of Byzantinologists in Ochrid. Vestnik
CSAV 71 no.1:151-154 '62.

ZASTEZHKO, Iu.S.; TERDOVIDOV, A.S.; KURISHKO, V.A.

Possibility of flash production of thermal waters with static
levels below the earth's surface. Neft. i gaz. prom. no. 2:34-37
Ap-Je '65. (MIRA 18:6)

ZASTEZHKO, Yu.S.; LUR'YE, A.I.

Some characteristics of geothermal conditions in the
Shobolinka gas field. Neft. i gaz. prom. 3:8-11 J1-S '65.
(MIRA 18:11)

ZASTEZHKO, Yu.S.; TERESHCHENKO, V.A.; LUR'YE, A.I.

New data on the geothermic conditions of the Dniester-Donets
Lowland. Izv. AN SSSR. Ser.geol. 30 no.11:115-117 N '65.
(MIRA 18:12)

1. Laboratoriya gidrogeologii i geokhimii podzemnykh vod
Ukrainskogo nauchno-issledovatel'skogo instituta prirodnogo
gaza, Khar'kov. Submitted August 12, 1964.

ZASTOLSKIY, M.

Community Centers

Collective farm club Kolkh. proizv. 12/ No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952², Unclassified.

ZASTOL'SKIY, M. [Zastol'ski, M.] (Khotimskiy rayon)

A collective farm letter carrier. Rab. i sial. 35 no.2:17
F '59. (MIRA 12:4)

(Postal service--Letter carriers)

ZATONSKI, Emil

Treatment of extracapsular fractures of the proximal end of the femur. Chir. narząd. ruchu ortop. Pol. 29 no.4:451-457 '64.

1. Z Kliniki Ortopedycznej Akademii Medycznej w Lublinie (Kierownik: doc dr med. S. Piątkowski).

BUTUCESCU, D., ing.; ZATREANU, A., ing.; TENTULESCU, D., ing.; RUSU, L.,
ing.; BALCANY, A., chimist; BOLCHI, F., ing.

Improvement of the quality of the Aghires sands for utilization
in the glass industry. Rev min 15 no.11:576-581 N '64.

ZASTOL'SKIY, M.

Agricultural Societies

Collective farm club. Kolkh. proizv., 12, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.
2

UDINTSEV, G.B.; AGAPOVA, G.V.; BERSENEV, A.F.; BUDANOVA, L.Ya.; ZATONSKIY,
L.K.; ZENKEVICH, N.L.; IVANOV, A.G.; KANAYEV, V.F.; KUCHEROV, I.P.;
LARINA, N.I.; MAROVA, N.A.; MINEYEV, V.A.; RAUTSKIY, Ye.I.

New relief maps of the bottom of the Pacific Ocean. Geofiz. biul.
no.14:159-167 '64. (MIRA 18:4)

ZASTROV, M.; LEPIKSAAR, J.

The nonenclature of bird's names in Estonian (To be contd.) p.48

TULIMULD (Eesti PEN-klubi, Valismaine Eesti Kirjunike Liit,
Ulemaailmene Eesti Kirjanduse Selts) Lund, Estonia.

Monthly List of East European Accessions (EEAI) LC, Vol.8, no. 12, Dec. 1959

Uncl.

ZASTROZHNOVA, N.; SAMBORSKIY, G.

Useful encyclopedia. Vop. ekon. no.6:140-143 Ja '63. (MIRA 16:6)
(Russia--Industries--Dictionaries)
(Construction industry--Dictionaries)

ZASTRYALIN, V.M.

Improving the MSbP-3 tie tamper. Put' 1 put.khez. 4 no.2:
30 P '60. (MIRA 13:5)

1. Slesar' masterskikh, stantsiya Orel, Moskovskoy dorogi.
(Railroads--Equipment and supplies)

SECRET, M.V.
VAKHNOVSKIY, S.S.; ZASTYREK, M.V.; KULYAVTSEV, V.I.; REZNIK, A.F.;
SLOBODINSKIY, Kh.Ia.

Assembly conveyer with driers. Leg.prom.17 no.9:41-42 S '57.
(MIRA 10:12)

(Shoe industry) (Conveying machinery)

ZASTYRETS, M.V.

VAKHNOVSKIY, S.S.; ZASTYRETS, M.V.; KULYAVTSEV, V.I.; REZNIK, A.F.;
SLOBODINSKIY, E. Ya.

New design of shoe drying stands. Leg. prom. 18 no.2:31-32 P '58.
(Shoe manufacture) (Drying apparatus) (MIRA 11:2)

ZASTYRETS, M.V.

Basic problems of the production organization in the "Bolshevik"
Leather Factory in Kharkov. Kozh.-obuv.prom. 5 no.4:4-6 Ap
'63. (MIRA 16:5)

1. Direktor khar'kovskogo kozhevonnogo zavoda "Bol'shevik".
(Kharkov--Leather industry)

Zasuchin D.H.
ZASUCHIN, D. H.

Results of toxoplasmosis research in the Soviet Union. Wiadomosci
parazyt., Wares. 4 no.1:33-38 1958.

1. Z Instytutu Medycyny Morskiej w Odansku.
(TOXOPLASMOSIS
research, in Russia (Pol))

LEVKOVICH, J.N.; ZASUCHINA, O.D.

Evaluation of the effectivity of a new preparation - the tissue culture vaccine against tick-borne encephalitis. J.hyg.epidem. Praha 4 no.3:296-298 '60.

1. Ivanovsky Institute of Virology, Academy of Medical Science of the USSR, Moscow.
(ENCEPHALITIS, EPIDEMIC immunol.)

ZASUKHA, A. (g.Kiyev)

City to help villages. Obshchestv. pit. no. 5:10 My '61.
(MIRA 14:5)
(Kiev Province—Restaurants, lunchrooms, etc.)

STOROZHENKO, V.; ZASUKHA, A., yurist

Volunteer inspectors should be given greater authority. Obshchestv.pit.
no.2:11-12 F '63. (MIRA 16:4)

1. Starshiy gosudarstvennyy inspektor Glavnogo upravleniya gosudarstvennoy
torgovoy inspeksii Ministerstva trgovli UkrSSR (for Storozhenko).
(Restaurants, lunchrooms, etc.—Auditing and inspection)

ZASUKHA, A.
ZASUKHA, A. (g. Yuzhno-Sakhalinsk).

Exhibition and sale of textile fabrics. Sov. potreb. koop. no.1:
33 Ja '58. (MIRA 11:1)
(Sakhalin--Retail trade) (Textile fabrics)

ZASUKHA, A. (g.Kiyev)

Doctor suggests a diet. Obshechestv. pit. no. 3:58-59 Mr '61.
(MIRA 14:4)

(Ukraine--Diet--Kitchens)

27-58-7-25/27

AUTHOR: Zasukha, A.

TITLE: With Skillful Hands (Rukami umel'tsev)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 7,
p 32 (USSR)

ABSTRACT: Every year, educational institutions of the Labor Reserves located in the vast territories of Sakhalin, train almost 2,000 qualified workers. Students of technical schools are very interested in modern engineering and have constructed various models of engines and mechanical devices.

1. Education--USSR 2. Personnel--Training

Card 1/1

ZASUKHA, A.

On Tyuleniy Island. Znan. ta pratsia no.8:25 Ag '59.
(MIRA 13:2)

(Tyuleniy Island--Seals (Animals))

ZASUKHA, A. (Kiyev)

We need good sporting goods. Prom.koop. 14 no.1:8 Ja '60.
(MIRA 13:5)

(Kiev Province--Sporting goods)

ZAS'KHA, A. yuriskonsul't (Poronaysk, Sakhalinskoy oblasti)

Based on trade union demands. Sov. profsoiuzy 6 no.2:74-75 P '58.
(MIRA 11:3)

(Poronaysk--Industrial hygiene)

ACC NR: AP6033617

SOURCE CODE: UR/0136/66/000/010/0068/0070

AUTHOR: Zasukha, P. F.; Bukhvalov, O. B.; Yershov, A. A.; Nikiforov, V. K.

ORG: none

TITLE: Rolling of ASM alloy-clad steel with an aluminum insert

SOURCE: Tsvetnyye metally, no. 10, 1966, 68-70

TOPIC TAGS: *flat plate, sheet metal, metal* aluminum alloy, *metal rolling, low carbon* cladding, *aluminum* steel, *aluminum* clad metal rolling/ASM alloy

ABSTRACT: The effect of antimony content in the ASM alloy (3.5—6.5% Sb, 0.3—0.7% Mg, 0.3—0.7% Fe, 0.3—0.5% Si, Al-balance) on bond strength between the alloy cladding and a low-carbon steel base has been investigated. Low-carbon steel plate was clad with pure aluminum or alloys containing up to 8% antimony. It was found that the bond strength between pure aluminum and steel reached 6.4 kg/mm²; it was reduced to 6.0 kg/mm² in the case of alloy containing 2% antimony, and 3.0 kg/mm² in alloy with 8% antimony. The steel-ASM alloy interface contained numerous brittle crystals of AlSb compound, which caused a separation of cladding. To eliminate the effect of antimony and other alloying elements on bond strength, the cladding was done with an aluminum inter-

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UDC: 669-419.4:621.771

ACC NR: AP6033617

layer. In practice, the machined ASM alloy ingots are pack-rolled with A6 aluminum sheets 3 mm thick at 500—540C in eight passes with reduction from 136 to 8 mm, then cold rolled to the required thickness. The cold-rolled sheets are then used as cladding material for steel. Orig. art. has: 2 figures.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

ZASUKHA, P.F., kand. tekhn. nauk; VOLEGOV, V.P., inzh.

Unit expenditure of electric power in hot rolling of strips using
and 810 semicontinuous rolling mill. Prom. energ. 18 no.10:5-8
0 '63. (MIRA 16:10)

ZASUKHA, P.F., kand.tekhn.nauk; LAZUTIN, A.G., inzh.; ZAVERYUKHA, A.Kh.,
inzh.; VOLEGOV, V.P., inzh.; FRANTSENYUK, I.V., inzh.

Selection of an efficient type of sheet rolling mill. Stal' 21
no.12:1090-1092 D '61. (MIRA 14:12)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov
i Novolipetskiy metallurgicheskiy zavod.
(Rolling mills)

ZASUKHA, P. F., CAND TECH SCI, "^{Study} INVESTIGATION OF HOT-
ROLLED ^{ing of} THIN ^{sheet} ~~PLATES~~ AND DETERMINATION OF RATIONAL ^{modes} PROCES-
SURES FOR REDUCTION AND SHAPING OF ROLLERS." SVERDLOVSK,
1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR, URAL POLY-
TECH INST IN S. M. KIROV). (KL, 3-61, 215).

DUBROV, Nikolay Fedorovich; LAPKIN, Nikolay Iosifovich. Prinimal
uchastiye ZASUKHA, P.F.; KOPOBKA, B.A., retsenzent;
MIRONOV, Leonard Vladimirovich; KRYZHOVA, M.L., red. izd-va;
BEKKER, O.G., tekhn. red.

[Electrical steels] Elektrotekhnicheskie stali. Moskva, Metal-
lurgizdat, 1963. 383 p. (MIRA 16:7)
(Steel--Magnetic properties)

KUSHNAREV, V.; ZASUKHA, A.

Innovations are becoming a part of everyday life. Obshchestv.
pit. no.3:34-35 Mr '60. (MIRA 13:6)
(Ukraine--Restaurants, lunchrooms, etc.)

ZASUKHA, A., (g. Tomari, Sakhalinskoy oblasti).

A labor case is being heard, Prom, koop. no. 3:40 Hr '57.
(MLRA 10:4)
(Labor disputes)

ZASUKHA, A. (Yuzhno-Sakhalinsk).

This is expensive for the government. Prom.kazn. no.8:31 Ag '57.
(MIRA 10:9)

(Sakhalin--Cooperative societies)

STOROZHENKO, V.V.; ZABUKHA, A.

Restaurant or food store? Obshchest.pit. no.3:30-31 Mr '62.
(MIRA 15:4)

1. Starshiy gosudarstvennyy inspektor upravleniya Gostorginspeksii
Ministerstva trgovli USSR.
(Restaurant management)

ZASUKHA, A. (Kiyev)

A restaurant was opened on a state farm...Obshechenty.
pit. no.6:19-22 Je '62. (MIRA 15:9)
(Chernigov Province--Restaurants, lunchrooms, etc.)

ZASUKHA, A.

Semiprocessed food supplied to villages. Obshchestv. pit. no. 7:51
Jl '60. (MIRA 13:8)

(Food)

ZASUKHA, P., inzh.

Use of refrigeration in reducing the strength of tin-plate
welds [with summary in English]. Khol.tekh. 35 no.6:27-
29 H-D '58. (MIRA 12:1)

1. Ural'skiy institut chernykh metallov.
(Tin plate--Thermal properties)

ZASUKHA, P.P., inzhener; SMIRNOV, N.S., kandidat tekhnicheskikh nauk.

Efforts to avoid copper impurities in the tinning pot. Metiz.proizv.
no.1:105-111 '56. (MIRA 10:2)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov i
Severskiy metallurgicheskiy zavod.
(Tin plating)

2. ~~ASUKIA, P.F.~~
SUYAROV, D.I.; ZASUKHA, P.Z.

Effect of the design and the temperature of rolls on sheet fusion
during pack rolling. Stal' 16 no.10:901-904 O '56. (MLBA 10:9)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallor.
(Rolling (Metalwork))

KORSHCHIKOV, V.D.; ZASUKHA, P.F.; KOZLOV, G.D.; NIKIFOROV, V.K.

Rolling parameters of structural steel-aluminum bimetals.
TSvet.met. 38 no.10:79-83 0 '65.

(MIRA 18:12)

ZASUKHA, P.F.

52(1) PAGE 1 BOOK REPRODUCTION 800/2721

Scientific Metallurgy (Moscow State, Vol. 5 (Metal Processing Collection of Articles, No. 5) Moscow, Metallurgizdat, 1959, 197 p., 3,000 copies printed.

Scientific M.: L.D. Al'chovskiy, Candidate of Technical Sciences; M. of Publishing House: S.A. Tolstoy, Tech. M.: A.I. Kuznetsov.

PURPOSE: This collection of articles is intended for technical personnel and scientific workers in the metallurgical and machinery-construction industries.

OVERVIEW: This collection of articles deals with problems of rolling and the structure. Results of research done on roll design and new methods of determining basic manufacturing parameters in the production of tubes and other rolled shapes are presented. Methods of analyzing the kinematics of processes in rolling, piercing mills and rolling mills by means of motion pictures are discussed. Also discussed are several phenomena associated with tube rolling. In particular are mentioned. References follow several of the articles.

Author: P.F. Zasukha, Senior Lecturer, Metallurgical Institute (Metal Institute of the Ministry of Metallurgy)). Means of Increasing the Productivity of Mechanical Sheet Mill Rolling.

This article deals with the results of an investigation conducted at the Severnyy Zavod (Northern Plant). L.D. Kuznetsov, L.V. Kabanov, L.A. Kise, and S.P. Shirokikh took part.

Author: T.I. [Candidate of Technical Sciences], A.I. Chichibayev, L.A. Grubov, V.A. Murzhakov (Engineers), [formerly metallurgical engineer, now (Senior Metallurgical Engineer)]. Rolling of 20172 Stainless Steel Into Universal Plates. The technique of heating and rolling imports of 20172 stainless steel in a universal rolling mill is described. Mechanical properties and structure obtained are discussed.

Author: L.D. [Candidate of Technical Sciences, Machine-Isolateral Engineering Institute (Scientific Research Institute)]. Characteristics of the Microstructure of Plates in Relation to Rolling Conditions. The mechanical properties of rolled open-hearth steel plates in relation to the rolling regime and initial shape are discussed. Photographs of the microstructures are presented.

Author: T.I. [Candidate of Technical Sciences]. Laminated Steels. A method of making laminated steel is discussed. Laminated steels obtained by bonding in rolls with diaphrag plates are rolled to a desired thickness. This method is claimed to be the most efficient for mass production.

Author: A.P. [Candidate of Technical Sciences, USSR], L.D. Zasukha, [Candidate of Technical Sciences], and L.A. Indushkin, [Engineer], [Institute of Ferrous Metallurgy, Academy of Sciences, USSR, and Trebovskiy served steel plant (Tube-rolling Mill Leningrad)]. Means of Intensifying the Piercing Process by Balling Rolling. Several active in steady balling piercing are analyzed. Results of experiments in rolling are presented. Recommendations for intensifying the piercing process are given.

137-58-6-12149

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 139 (USSR)

AUTHOR: Zasukha, P.F.

TITLE: Experimental Rolling of Large Fagots of Steel in a Mechanized Mill (Opytnaya prokatka bol'shemernykh paketov na mekhanizirovannom stane)

PERIODICAL: Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chernykh metallov, 1957, Nr 3, pp 124-130

ABSTRACT: Under the existing technology of rolling (R) of roofing sheet steel (SS) (with dimensions of 0.5x710x1420 mm) from sheet billets weighing 9.5 kg, the weight of a fagot amounts to 28.5 kg. At an 80% output of sound product, 10% stoppage time, and a R cycle of 31.0 sec per fagot, the output of a stand (O/S) constitutes 2470 kg/hr. The R of SS with dimensions of 0.5x750x1500 mm from sheet billets weighing 11 kg increases the weight of the fagot to 33 kg, extends the R cycle to 32 sec, and raises the O/S to 2700 kg/hr, which constitutes a productivity increase of 9.3%. Experimental R of SS with dimensions of 710 mm and 750 x 2000 mm at a rate of 35.6 sec per cycle made it possible to roll billet sheets weighing 13.4 and 14.7 kg,

Card 1/2

137-58-6-12149

Experimental Rolling of Large Fagots of Steel in a Mechanized Mill

the weight of the fagots being 40.2 and 44.1 kg, respectively, and increased the O/S up to 2950 kg/hr (20%) and 3220 kg/hr (30%), respectively. The R was carried out in the same number of passes as in the method existing at present, but involved greater reductions which did not impair the quality of the SS. With a 42-sec R cycle, experimental R of steel with dimensions of 0.5x710x2840 mm from billet sheets weighing 18.5 kg each (and the fagots weighing 55.8 kg) made it possible to increase the O/S to 3430 kg/hr (39%), while the number of passes increased only slightly. Fagots of double length were cut while hot into two 1420 mm long sections by means of special slitters installed in line with the mill. This procedure reduced metal losses due to trimming waste by 7-8%. The R of large fagots may be carried out at greater reductions; however, such procedures introduce the danger of increasing the welding of sheets, as well as the amount of spoilage due to incomplete R and the formation of creases.

A.N.

1. Steel--Processing 2. Rolling mills--Applications

Card 2/2

ZASUKHA, P.F., inzh.

Ways of increasing the output of mechanized sheet mills. Obr. net. davl.
no.5:53-61 '59. (MIRA 13:3)

1.Ural'skiy institut chernykh metallov.
(Rolling mills)

ZHIRMUNSKIY, Mikhail Matveyevich; ZASUKHIN, Azat Arkad'yevich; IGRITSKAYA, Luchezara Borisovna; SHUTSER, Nina Pavlovna; YANITSKIY, N.P., doktor geograf.nauk, otv.red.; MARKOV, R., red.isd-va; POLENOVA, T.P., tekhn.red.

[Germany; the economic geography of the German Democratic Republic and the German Federal Republic] Germaniia; ekonomicheskaya geografiya Germanской Demokraticheskoi Respubliki i Federativnoi Respubliki Germanii. Moskva, Izd-vo Akad.nauk SSSR, 1958. 708 p. (MIRA 12:4)

(Germany--Economic conditions)

BUKHVALOV, O.B.; ZASUKHA, P.F.

Work hardening of ASM and ATSK alloys and steel in the deformation process at various temperatures. TSvet. met. 38 no.6:77-78
Je '65. (MIRA 18:10)

ACC NR: AP5024863 MJW/JD/HW

SOURCE CODE:

AUTHOR: Korshchikov, V. D.; Zasukha, P. F.; Kozlov, G. D.; Nikiforov, V. K.

ORG: none

TITLE: Conditions of rolling aluminum-clad steel plates

SOURCE: Tsvetnyye metally, no. 10, 1965, 79-83

TOPIC TAGS: steel, stainless steel, steel plate, bimetallic plate, clad plate, aluminum alloy clad plate, stainless steel plate, plate rolling, warm rolling, 1Kh18N9T steel, 1Kh21N5T steel, 3s steel, SkhL4 steel, 45G17Yu3 steel, AMg3 alloy, AMg5V alloy, AMg6 alloy

ABSTRACT: The technology of rolling bimetallic plates such as 1Kh18N9T, 1Kh21N5T stainless steel, 3s, SKhL-4, and 45G17Yu3 ship-building steel plates 6-15 mm thick, 1000-2000 mm wide, and 1000-2000 mm long clad with AMg3, AMg5V, and AMg6 aluminum alloys has been developed by the Central Institute of Ferrous Metallurgy in cooperation with the Mikhailovskiy plant. For highly cleaned aluminum-alloy plates are preheated to 350-400C and placed on steel plates preheated to 150-200C. The pack is then rolled in one pass with an aluminum-plate reduction up to 75% and without deformation of the steel plate. The temperature of the plate after rolling is 230-280C. This method was used for large amounts of bimetallic plates in various

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UDC: 621.9-419.621.71.2

0901 1705

L 6517-66

ACC NR: AP5024863

combinations and thicknesses. The bond strength in shear amounts to 10 kg/mm² and in tension to 17 kg/mm². Orig. art. has: 3 figures and 2 tables. [AZ]

SUB CODE: MM/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 4139

dw

Card 2/2

L 14506-66 ENT(m)/EWA(d)/EMP(v)/A/EMP(t)/EMP(k)/EMP(z)/EMP(b) ISP(c) HM/

ACC NR: AP6003280

(N)

SOURCE CODE: UR/0135/66/COO/001/0009/0011

J
HM

AUTHOR: Razduy, F. I. (Candidate of technical sciences); Zasukha, P. F. (Candidate of technical sciences); Ryabov, V. R. (Engineer)

ORG: none

TITLE: Welding of steel and aluminum structural elements by means of bimetal inserts

SOURCE: Svarochnoye proizvodstvo, no. 1, 1966, 9-11

TOPIC TAGS: bimetal, metal rolling, steel, aluminum, weldability, welding technology, shipbuilding engineering, material deformation

ABSTRACT: The development by the Ural Institute of Ferrous Metallurgy of a new method of producing Al-clad steel strip suitable for use as an insert in bimetal weldments is described. The method involves rolling a composite bimetal strip 6-12 mm thick, up to 300 mm wide and up to 2500 mm long, with a thickness ratio of Al to steel amounting to at least 2:1 and is based on the principle of "mono-component deformation," i.e. on the deformation of the plastic Al alloy alone during rolling, without the concomitant deformation of steel; at 380-450°C the Al alloy is fairly plastic and its deformation resistance is 8-16 kg/mm² whereas at these temperatures the deformation resistance of steel is 30-45 kg/mm² i.e. 3-4 times as high. This technique offers many advantages compared with the other known methods of rolling steel aluminum-bimetals:

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UDC: 621.791:669.15-194:669.715

L-14506-66

ACC NR: AP6003280

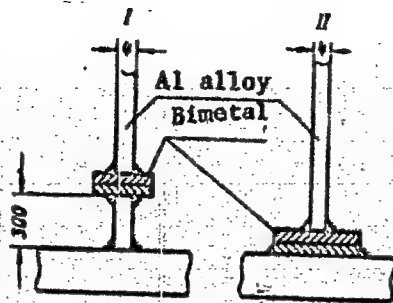


Fig. 1. Variants of joining the superstructure to the ship deck.

Joining of dissimilar metals

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71506-66

ACC NR: AP6003280

only one rolling pass is needed instead of 3-5 and the extensive deformation of the Al alloy assures a reliable interlocking of the layers of bimetal strip. This type of strip is suitable for welding together steel and aluminum structural elements in shipbuilding, transport, aviation; the other types of Al-clad steel strips previously fabricated in the Soviet Union could not be used for this purpose because they consist of nonweldable Al alloys. arco iron and steel with low strength properties. Tests and metallographic examinations showed that this can be accomplished by means of a proper welding regime. Thus, during welding the depth of fusion from the Al-layer side should not be closer than 1 mm to the interlocking boundary, and from the steel-layer side, not closer than 1.5-1.8 mm, in order to preserve the adhesion between the two layers. The experimental introduction of this method in the joining of parts of a ship's superstructure of AMGSV aluminum alloy to the steel deck of its hull showed that of the two variants of joining tested (Fig. 1) the first variant was better. Some 30 running meters of superstructure were thus joined. The welded joints were tested for airtightness (0.1 atm) with satisfactory results. The new method results in welded joints of a better appearance and lower weight (~7 kg per running meter of joints) compared with riveted joints. Thus for example, in a ship with a steel deck and aluminum superstructure the total number of joinings required between aluminum and steel elements may reach 3000-4000; hence the total reduction in the ship's weight may reach 21-28 tons. Orig. art. has: 5 figures, 3 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 002

Card 3/3

ZASUKHIN, A.A.

Fridtjof Nansen's anniversary. Izv. AN SSSR. Ser. geog no.1:161-
162 Ja-F '62. (MIFA 15:2)
(Nansen, Fridtjof, 1861 - 1930)

ZASUKHIN, A.A.

Geography of the foreign economic relations of the German
Democratic Republic. Geog. v shkole 26 no.5:18-23 S-O '63.
(MIRA 16:11)

ZASUKHIN, A. A.,

10-58-2-26/30

The 4th Conference of Young Scientists of the Institute of Geography of the USSR Academy of Sciences 1957

A. A. ZASUKHIN, "Basic Structural and Geographical Shifts in

machine building of the GDR; N.P. Shtutser on basic geographical features of Baden-Wuerttemberg industry; L.R. Serebryanny on some historical geographical peculiarities of the Norwegian population; V.I. Bulavin on the reasons for the relative backwardness of the USA in the field of ferrous metallurgy; L.A. Knyazhinskaya on peculiarities in the formation and development of western Indian territory; F.A. Trinich on the geography of the population and types of rural settlement in eastern Pakistan. There are 2 Soviet references.

1. Geography—Conference—USSR

(Izv. Ak. Nauk SSSR, Ser Geog, 1958, No. 2, p151-53, GARBUNOVA, M.Y.)

Card 3/3

ZASUKHIN, A.A.

Geopolitical doctrines and their role in the revanchist plans of
West German monopolies. Geog. v shkole 25 no.5:36-38 S-O '62.
(MIRA 15:9)

(Germany, West—Geopolitics)

ZASUKHIN, A.A.

Characteristics of foreign economic relations of the German
Federal Republic. Geog. v shkole 24 no. 1:24-30 Ja-F '61.
(MIRA 14:2)
(Germany, West--Foreign economic relations)

ZASUKHIN, A.T.

PHASE I BOOK EXPLOITATION

SOV/4189

Gazaliyev, Maksut Vagidovich, and Antoni Tikhonovich Zasukhin

Effektivnost' spetsializatsii i kooperirovaniya v mashinostroyeni (The Effectiveness of Specialization and Affiliation in Machine Building). Moscow, Gosplanizdat, 1960.
207 p. 7,000 copies printed.

Ed.: I. S. Maksimov; Tech. Ed.: Ye. S. Gerasimova.

Sponsoring Agency: USSR. Gosudarstvennyy planovyy komitet.
Nauchno-issledovatel'skiy ekonomicheskiy institut.

PURPOSE: This book is intended for economists and industrial planners.

COVERAGE: The book discusses the role of specialization and affiliation in the organization of industrial production. It analyzes the basic forms of specialization and affiliation, assesses the efficiency of various stages of specialization, relates the volume of specialized production and the

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The Effectiveness of Specialization (Cont.) SOV/4189

scope of affiliation, and summarizes basic trends of future developments of these organizational concepts. The book contains many tables and statistical curves and diagrams. No personalities are mentioned. References appear as footnotes.

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Ch. I. Specialization and Affiliation — Progressive Forms of the Organization of Industrial Production	3
Ch. II. Basic Forms and Characteristics of Specialization and Affiliation	28
1. Basic forms of specialization and affiliation	28
2. Indicators of the level of specialization and affiliation	38
3. Indices and procedure for calculating the economic efficiency of specialization in production	46
Ch. III. Efficiency of Various Stages of the Specialization of Production	55
Card 2/4	

ZASUKHIN, A. T.

Effektivnost' Spetsializatsii i Kooperirovaniya v
Mashinostroyeni (by) M. V. Gazaliyev (1) A. T. Zasukhin.
Moskva, Gosplanizdat, 1960.

206 p. Diagr., graphs, tables, 23 cm.

At head of title: Russia. Nauchno-Issledovatel'skiy
Ekonomicheskiy Institut Gosplana.
Bibliographical Footnotes.

GAZALIYEV, Maksut Vagidovich; ZASUKHIN, Antoni Tikhonovich; MAKSIMOV,
I.S., red.; GERASIMOVA, Ye.S., tekhn.red.

[Efficiency of the specialization and cooperation in the machinery
industry] Effektivnost' spetsializatsii i kooperirovaniia v
mashinostroenii. Moskva, Gosplanizdat, 1960. 204 p.

(MIRA 13:5)

(Machinery industry)

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SEMENOV, I., polkovnik; ZASUKHIN, B., polkovnik zapasa; VINNIKOV, V.,
podpolkovnik; TIGANIN, A., Mayor

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no.3:40-43 Mr 62. (MIRA 15:4)
(Attack and defense (Military science))

VYSOTSKIY, V.F.; ZASUKHIN, B.G.

Effect of an electrically protected pipeline on parallel laid
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predpriyatiy po dobyche prirodnnykh gazov.

PETRISHCHEVA, P.A.; LEVKOVICH, Ye.N.; BOLDYREV, S.T.; ZASUKHIN,
D.H., red.; CHULKOV, I.F., tekhn. red.

[Japanese encephalitis] Iaponskii ontsefalit. Moskva, Med-
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(ENCEPHALITIS)

ZASUKHIN, D. N.

Protozoa of wild animals morphologically resembling Toxoplasma.
Trudy Inst. zool. AN Kazakh. SSR 16:9-14 '62.
(MIRA 15:10)

(Protozoa, Pathogenic)

ZASUKHIN, D. N.

USSR/Medicine - Hemosporidia
Medicine - Animals, Diseases

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"Wild Mammalia as Test Animals for Studying Hemosporidia in Domestic Animals," D. N. Zasukhin, Inat Malaria, Med Parasitol and Helminthology, Acad Med Sci USSR, 2 pp

"Dok Akad Nauk USSR, Nova Ser" Vol LVIII, No 7

Hemosporidia in domestic animals is widespread in southern part of USSR, and causes harm to population. Describes experiments conducted to study course of disease. Test animals were wild animals found in various regions, such as Kazakhstan. Submitted by Academician K. I. Skryabin, 17 Jun 1947.

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"On the Problem of Toxoplasmosis* of the Human Being"

Pediatrics, No. 3, 1949, pp 40-60

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* Usually a highly fatal encephalitis in human beings - Webster dict.

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PA 53/49T64

USSR/Medicine - Malaria, Avian
Medicine - Parasitology

Mar/Apr 49

"Blood Parasites of Birds and the Problem of Malaria,"
D. N. Zasukhin, E. A. Demina, P. B. Levitanskaya,
S. G. Vasina, 5 pp

"Byul Mosk Obshch Issy Prirod, Otdel Biol" Vol LIV, No 2
/(Bulletin Moscow Soc. of Naturalists, Biol. Dept.)
Tabulates data on different protozoa found in blood of
1,043 birds of 12 species in 1946-1947 in Moscow Dis-
trict. Plasmodium was found only in Chloris chloris
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POD*YAPOL'SKAYA, V.P.; VINOGRADSKAYA, O.N.; ZASUKHIN, D.N.; GUSEYNOV, G.A.
[reviewers]; GELLER, B.R.; KALASHNIKOVA, A.P. [authors].

"General Biology." B.R.Geller, A.P.Kalashnikova. Reviewed by V.P.
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(Biology) (Geller, B.R.) (Kalashnikova, A.P.)

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kandidat filologicheskikh nauk [translator] ZASUKHIN, D.N., doktor
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